Vol. 279, Nos. 1–2 Clinica Chimica Acta January 1999

CONTENTS

Cited in: *Biological Abstracts—Elsevier BIOBASE/Current Awareness in Biological Sciences—Chemical Abstracts—Current Contents/Life Sciences—EMBASE Excerpta Medica—Index Medicus—Clinical Chemistry Lookout—Current Clinical Chemistry—Informedicus—PASCALM—Reference Update—Current Clinical Cancer*

Research articles

Abnormal capacity to induce cholesterol efflux and a new LpA-I pre-β particle in type 2 diabetic patients
F.D. Brites, E. Cavallero, C. de Geitere, N. Nicolaïew, B. Jacotot, M. Rosseneu, J.-C. Fruchart, R.L. Wikinski and G.R. Castro (Argentina, France, Belgium) 1

Automated and simultaneous identification of microsatellite instability by fluorescence-based polymerase chain reaction (PCR) in four loci
M. Kinoshita, J. Nakamura, H. Kusaka, T. Hadama, K. Bago, M. Kitajima and S. Baba (Japan) 15

Quantitation of gene expression by means of HPLC analysis of RT-PCR products
F. Bachmair, Ch. Huber and G. Daxenbichler (Austria) 25

Carnitine homeostasis in patients with rheumatoid arthritis
S. Krähenbühl, B. Willer, P. Brühlmann, H. Hoppeler and G. Stucki (Switzerland) 35

Screening of urine by one-dimensional and pulsed-field gradient two-dimensional ^{1}H NMR spectroscopy: intoxication by propylene glycol in an infant patient
S. Meshitsuka, M. Inoue, A. Seki, T. Koeda and K. Takeshita (Japan) 47

Urinary excretion of the vitronectin receptor (integrin $\alpha_v\beta_3$) in patients with Fabry disease
K. Utsumi, K. Itoh, R. Kase, M. Shimmoto, N. Yamamoto, Y. Katagiri, K. Tanoue, M. Kotani, T. Ozawa, T. Oguchi and H. Sakuraba (Japan) 55

Measurements of urinary nonisomerized form of type I collagen degradation products (α-CTx) in aging, menopause, and osteoporosis with fractures
M. Takahashi, H. Hoshino and K. Kushida (Japan) 69

Magnetic resonance spectroscopy of serum and acute-phase proteins revisited: a multiparametric statistical analysis of metabolite variations in inflammatory, infectious and miscellaneous diseases
G.M. Torri, J. Torri, J.-M. Gulian, J. Vion-Dury, P. Viout and P.J. Cozzone (France) 77

Indirect reference limits estimated from patients' results by three mathematical procedures
M. Ferré-Masferrer, X. Fuentes-Arderiu and R. Puchal-Añé (Spain) 97

Distribution of serum creatine kinase activity in young healthy persons
E.I. Lev, I. Tur-Kaspa, I. Ashkenazy, A. Reiner, D. Faraggi, J. Shemer and Z. Argov (Israel) 107

Proton nuclear magnetic resonance spectroscopy of urine for rapid multicomponent analysis of intraoperative cellular metabolites
T. Tatara, Y. Iwao, J. Takeda, Y. Ishihara, S. Ohkochi and H. Uedaira (Japan) 117

Determination of potassium flux activity of viable human erythrocytes by measuring the release-influx ratio
Y. Ozawa, S. Sato, K. Matsumoto, S. Nishi, S. Shishido, Y. Imafuku, Y. Miura and H. Yoshida (Japan) 125

Evaluation of mutation screening by heteroduplex analysis in acute intermittent porphyria: comparison with denaturing gradient gel electrophoresis
D. Tchernitchko, J. Lamoril, H. Puy, A.M. Robreau, C. Bogard, R. Rosipal, L. Gouya, J.C. Deybach and Y. Nordmann (France, Czech Republic) 133

Urinary bone resorption markers in monitoring treatment of symptomatic osteoporosis
M.T. Parviainen, K. Jääskeläinen, H. Kröger, I. Arnala and E. Alhava (Finland) 145

(continued on p. 198)

This journal is part of **ContentsDirect**, the ***free*** alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. The quickest way to register for **ContentsDirect** is via the World Wide Web at: **www.elsevier.nl/locate/ContentsDirect**
If you don't have access to the WWW you can register for this service by sending an e-mail message to cdsubs@elsevier.co.uk specifying the title of the publication you wish to register for. The tables of contents are also available on the Elsevier Science website at: www.elsevier.nl or www.elsevier.com or www.elsevier.co.jp

0009-8981(199901)279:1/2;1-R

05097

Vol. 279, Nos. 1–2 Clinica Chimica Acta January 1999

CONTENTS

Cited in: *Biological Abstracts—Elsevier BIOBASE/Current Awareness in Biological Sciences—Chemical Abstracts—Current Contents/Life Sciences—EMBASE Excerpta Medica—Index Medicus—Clinical Chemistry Lookout—Current Clinical Chemistry—Informedicus—PASCALM—Reference Update—Current Clinical Cancer*

Research articles

Abnormal capacity to induce cholesterol efflux and a new LpA-I pre-β particle in type 2 diabetic patients
F.D. Brites, E. Cavallero, C. de Geitere, N. Nicolaïew, B. Jacotot, M. Rosseneu, J.-C. Fruchart, R.L. Wikinski and G.R. Castro (Argentina, France, Belgium) 1

Automated and simultaneous identification of microsatellite instability by fluorescence-based polymerase chain reaction (PCR) in four loci
M. Kinoshita, J. Nakamura, H. Kusaka, T. Hadama, K. Bago, M. Kitajima and S. Baba (Japan) 15

Quantitation of gene expression by means of HPLC analysis of RT-PCR products
F. Bachmair, Ch. Huber and G. Daxenbichler (Austria) 25

Carnitine homeostasis in patients with rheumatoid arthritis
S. Krähenbühl, B. Willer, P. Brühlmann, H. Hoppeler and G. Stucki (Switzerland) 35

Screening of urine by one-dimensional and pulsed-field gradient two-dimensional ^{1}H NMR spectroscopy: intoxication by propylene glycol in an infant patient
S. Meshitsuka, M. Inoue, A. Seki, T. Koeda and K. Takeshita (Japan) 47

Urinary excretion of the vitronectin receptor (integrin $\alpha_v\beta_3$) in patients with Fabry disease
K. Utsumi, K. Itoh, R. Kase, M. Shimmoto, N. Yamamoto, Y. Katagiri, K. Tanoue, M. Kotani, T. Ozawa, T. Oguchi and H. Sakuraba (Japan) 55

Measurements of urinary nonisomerized form of type I collagen degradation products (α-CTx) in aging, menopause, and osteoporosis with fractures
M. Takahashi, H. Hoshino and K. Kushida (Japan) 69

Magnetic resonance spectroscopy of serum and acute-phase proteins revisited: a multiparametric statistical analysis of metabolite variations in inflammatory, infectious and miscellaneous diseases
G.M. Torri, J. Torri, J.-M. Gulian, J. Vion-Dury, P. Viout and P.J. Cozzone (France) 77

Indirect reference limits estimated from patients' results by three mathematical procedures
M. Ferré-Masferrer, X. Fuentes-Arderiu and R. Puchal-Añé (Spain) 97

Distribution of serum creatine kinase activity in young healthy persons
E.I. Lev, I. Tur-Kaspa, I. Ashkenazy, A. Reiner, D. Faraggi, J. Shemer and Z. Argov (Israel) 107

Proton nuclear magnetic resonance spectroscopy of urine for rapid multicomponent analysis of intraoperative cellular metabolites
T. Tatara, Y. Iwao, J. Takeda, Y. Ishihara, S. Ohkochi and H. Uedaira (Japan) 117

Determination of potassium flux activity of viable human erythrocytes by measuring the release-influx ratio
Y. Ozawa, S. Sato, K. Matsumoto, S. Nishi, S. Shishido, Y. Imafuku, Y. Miura and H. Yoshida (Japan) 125

Evaluation of mutation screening by heteroduplex analysis in acute intermittent porphyria: comparison with denaturing gradient gel electrophoresis
D. Tchernitchko, J. Lamoril, H. Puy, A.M. Robreau, C. Bogard, R. Rosipal, L. Gouya, J.C. Deybach and Y. Nordmann (France, Czech Republic) 133

Urinary bone resorption markers in monitoring treatment of symptomatic osteoporosis
M.T. Parviainen, K. Jääskeläinen, H. Kröger, I. Arnala and E. Alhava (Finland) 145

(continued on p. 198)

This journal is part of **ContentsDirect**, the ***free*** alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. The quickest way to register for **ContentsDirect** is via the World Wide Web at: **www.elsevier.nl/locate/ContentsDirect**
If you don't have access to the WWW you can register for this service by sending an e-mail message to cdsubs@elsevier.co.uk specifying the title of the publication you wish to register for. The tables of contents are also available on the Elsevier Science website at: www.elsevier.nl or www.elsevier.com or www.elsevier.co.jp

0009-8981(199901)279:1/2;1-R

05097

Decreased neutrophil antioxidative enzyme activities and increased lipid peroxidation in hyperlipoproteinemic human subjects
H. Efe, O. Değer, D. Kirci, S.C. Karahan, A. Örem and M. Calapoğlu (Turkey) 155

Short communication
Expression of a liver/bone–intestinal hybrid of alkaline phosphatase in neutrophils of Down's syndrome patients
H. Vergnes, J. Grozdea, C. Denier, G. Bourrouillou and P. Calvas (France) 167

Letters to the Editors
Uptake of [^{3}H]-fosfomycin into cells of enterohemorrhagic *Escherichia coli* O157 and E. coli non-O157
I. Tsuboi, H. Ida, E. Yoshikawa, S. Hiyoshi, E. Yamaji, I. Nakayama, K. O'Hara, T. Nonomiya, F. Shigenobu, K. Taniguchi, M. Shimizu, T. Sawai and K. Mizuoka (Japan) 175
False-negative rapid plasma reagin circle card test
T. Endoh, A. Yagihashi, K. Tanemura, S. Nishinosono, M. Matsukawa, N. Miyao, T. Tsukamoto and N. Watanabe (Japan) 179

Author index 183
Subject index 187
Instructions to Authors 191